

**AMENDMENTS TO THE CLAIMS:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1. (Cancelled)
- 2-4. (Cancelled)
5. (Currently Amended) The process of claim ~~1~~ 17, wherein the vinylsulfonyl group is provided to the solid carrier by reacting a divinylsulfone compound with an amino group which has been previously placed on the solid carrier.
6. (Currently Amended) The process of claim ~~1~~ 17, wherein the aqueous medium for washing the solid carrier contains a ~~surface active agent~~ sodium dodecyl sulfate.
7. (Cancelled)
8. (Withdrawn)
9. (Withdrawn)
- 10-12. (Cancelled)
13. (Withdrawn)
14. (Withdrawn)
15. (Withdrawn)

16. (Withdrawn)

17. (New) A process for preparing a micro-array for analysis of DNA which comprises the steps of:

spotting an aqueous solution onto a solid carrier in a predetermined area thereof to which a number of vinylsulfonyl groups are fixed, the aqueous solution comprising carboxymethylcellulose, probe molecules having an amino group, the probe molecules being selected from the group consisting of nucleic acid fragments, oligonucleotides and peptide nucleic acids, and water and having a viscosity of 2 to 50 mPa s;

incubating the solid carrier having the spotted aqueous solution on a surface thereof, thereby causing reaction for producing covalent bonding between the vinyl sulfonyl group and the amino group; and

washing the surface of the solid carrier with an aqueous medium to remove all of the carboxymethylcellulose from the surface of the solid carrier, thereby preparing the micro-array.